

EA5T

5-11-04

L Number	Hits	Search Text	DB	Time stamp
6	0	Kamiya.in. and Kondoin. and Saski.in. and oba.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:06
7	0	Kamiya.in. and Kondo.in. and Saski.in. and oba.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:07
8	115	advics.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:07
9	81	advics.asn. and brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:34
10	9	advics.asn. and brak\$4 same vibration	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:12

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Search History	5/11/04	15:56:27 05/11/04	Page 6	
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16	102	vibration same electric adj motor same brak\$4	USPAT; US-PGPUB	2004/05/11 12:14
17	150	vibration same electric adj motor same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:14
18	40	vibration same electric adj motor same brak\$4 same rotat\$6 with electric adj motor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:15
19	14	vibration same electric adj motor same brak\$4 same rotat\$6 with electric adj motor same (rotor or disk or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:17
20	37	vibration same electric adj motor same brak\$4 same (rotor or disk or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:24
21	1	2002-760191.NRAN.	DERWENT	2004/05/11 12:18
22	23	(vibration same electric adj motor same brak\$4 same (rotor or disk or disc)) not (vibration same electric adj motor same brak\$4 same rotat\$6 with electric adj motor)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:30
23	68	vibration with suppress\$4 same motor same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:31
24	63	noise with suppress\$4 same motor same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:31
25	120	(vibration with suppress\$4 same motor same brak\$4) or (noise with suppress\$4 same motor same brak\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:33
26	4	((vibration with suppress\$4 same motor same brak\$4) or (noise with suppress\$4 same motor same brak\$4)) and (188/\$.ccls. or 303/\$.ccls. or 318/\$.ccls.) and caliper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:34
27	17	((vibration with suppress\$4 same motor same brak\$4) or (noise with suppress\$4 same motor same brak\$4)) and (188/\$.ccls. or 303/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:37
28	4962	188/72.1-72.9,156-165.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:38
29	19	188/72.1-72.9,156-165.ccls. and (noise or vibration) same electric adj motor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:47
30	1105	electric adj2 (motor or actuator) same piston same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 12:48
31	27	electric adj2 (motor or actuator) same piston same brak\$4 same (vibration or resonance or noise)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:00
32	1	2002-760191.NRAN.	DERWENT	2004/05/11 12:50
33	289	electric adj2 (motor or actuator) same piston and 188/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:01
34	3657	electric adj2 (motor or actuator) near6 rotat\$4 same detect\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:02

35	1426	electric adj2 (motor or actuator) near6 rotat\$4 same detect\$4 near5 rotat\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:02
36	1426	(electric adj2 (motor or actuator) near6 rotat\$4 same detect\$4 near5 rotat\$5) and (electric adj2 (motor or actuator) near6 rotat\$4 same detect\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:02
37	102	((electric adj2 (motor or actuator) near6 rotat\$4 same detect\$4 near5 rotat\$5) and (electric adj2 (motor or actuator) near6 rotat\$4 same detect\$4)) and (vibrat\$4 or noise) with (suppress\$4 or inhibit\$4 or reduc\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:04
38	0	((electric adj2 (motor or actuator) near6 rotat\$4 same detect\$4 near5 rotat\$5) and (electric adj2 (motor or actuator) near6 rotat\$4 same detect\$4)) and (vibrat\$4 or noise) with (suppress\$4 or inhibit\$4 or reduc\$6) and brak\$4 same caliper same motor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:05
39	0	((electric adj2 (motor or actuator) near6 rotat\$4 same detect\$4 near5 rotat\$5) and (electric adj2 (motor or actuator) near6 rotat\$4 same detect\$4)) and (vibrat\$4 or noise) with (suppress\$4 or inhibit\$4 or reduc\$6) and brak\$4 same caliper same motor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:05
40	1	188/218a.ccls. and (vibrat\$4 or noise) with (suppress\$4 or inhibit\$4 or reduc\$6) and brak\$4 and caliper same motor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:06
41	14	188/218a.ccls. and (vibrat\$4 or noise) with (rotor or disk or disc) and brak\$4 and caliper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:06
42	32	188/1.11\$.ccls. and (vibrat\$4 or noise) with (rotor or disk or disc) and brak\$4 and caliper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:07
43	1	188/1.11\$.ccls. and (vibrat\$4 or noise) with (rotor or disk or disc) and brak\$4 and caliper and electric adj motor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:08
44	25	electric adj motor same motor near3 drive same vibration near3 control	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:09
45	1	electric adj motor same motor near3 drive same vibration near3 control same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:10
46	9	electric adj motor same vibration near3 control same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:10
47	1	vibration near3 control same brak\$4 same caliper same piston	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:11
48	30	vibration near3 (damp\$6 or control) same brak\$4 same caliper same piston	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:14
49	0	6047794.URPN.	USPAT	2004/05/11 13:12
50	11	("4153815" "4417098" "4490841" "4562589" "5418858" "5426705" "5660251" "5667047" "5687818" "5860494" "5865515").PN.	USPAT	2004/05/11 13:12
51	25	188/1.11e.ccls. and electric adj motor	USPAT; US-PGPUB	2004/05/11 13:17
52	9	electric adj motor and depression with force with sensor and caliper and brak\$4	USPAT; US-PGPUB	2004/05/11 13:30
53	2	electric adj motor and depression with force with sensor and caliper and brak\$4 and amount same motor same (detect\$4 or calculat\$4) same rota\$6	USPAT; US-PGPUB	2004/05/11 13:21

54	4	electric adj motor with fluctuat\$4 with brak\$4	USPAT; US-PGPUB	2004/05/11 13:31
55	0	electric adj motor with drive same motoe same vibration	USPAT; US-PGPUB	2004/05/11 13:31
56	611	electric adj motor with drive same motor same vibration	USPAT; US-PGPUB	2004/05/11 13:32
57	36	electric adj motor with drive same motor same vibration same (current or voltage) near5 motor	USPAT; US-PGPUB	2004/05/11 13:33
58	2	electric adj motor with drive same motor same vibration same (current or voltage) near5 motor same brak\$4	USPAT; US-PGPUB	2004/05/11 13:33
59	1	electric adj motor with drive same motor same vibration same (current or voltage) near5 motor same brak\$4	EPO; JPO; DERWENT	2004/05/11 13:33
60	4	electric adj motor same vibration same (current or voltage) near5 motor same brak\$4	EPO; JPO; DERWENT	2004/05/11 13:33
61	36	advics.asn. and brak\$4 and motor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:36
62	1	2003-846324.NRAN.	DERWENT	2004/05/11 13:36
63	322	brak\$4 same electric adj motor same caliper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:37
64	82	brak\$4 same electric adj motor same caliper and (detecting or sensor or sensing) with motor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:43
65	0	brak\$4 same electric adj motor same caliper and (detecting or sensor or sensing) with motor and vibration,ab,clm,ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:39
66	0	brak\$4 same electric adj motor same caliper and (detecting or sensor or sensing) with motor and vibration.ab,clm,ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:40
67	354152	vibration.ab,clm,ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:40
68	0	brak\$4 same electric adj motor same caliper and (detecting or sensor or sensing) with motor with (vibrat\$6 or squeal\$4 or noise)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/11 13:40
69	463	(188/71.5).CCLS.	USPAT; US-PGPUB	2004/05/11 13:48
70	0	("sepac.asn.").PN.	USPAT; US-PGPUB	2004/05/11 13:48
72	27	188/171-173.ccls. and stack	USPAT; US-PGPUB	2004/05/11 13:49
71	13	188/171-173.ccls. and swing	USPAT; US-PGPUB	2004/05/11 13:51
74	0	armature with leaf with spring with (swing\$6 or arc or rotat\$5) with (pad or shoe)	USPAT; US-PGPUB	2004/05/11 13:52
73	150	armature with leaf with spring with (swing\$6 or arc or rotat\$5)	USPAT; US-PGPUB	2004/05/11 13:52

PLUS 5/11/04

Butler, Douglas

From: PLUS
Sent: Tuesday, May 11, 2004 8:21 AM
To: Butler, Douglas
Subject: PLUS Results for 10771459

Here are the PLUS search results for 10771459.

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10771459_QUAL.txt



10771459_LIST.txt



10771459_WEST.txt



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PLUS Search Results for S/N 10771459, Searched May 10, 2004

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Most Frequently Occurring Classifications of Patents Returned
From A Search of 10771459 on May 10, 2004

Original Classifications

5 73/462
4 303/115.2
4 318/254
3 82/112
3 303/20
3 318/139
2 49/362
2 188/156
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2 242/433.3
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2 310/67R
2 318/269
2 356/450
2 415/129

Cross-Reference Classifications

7 188/162
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2 188/1.11E
2 188/1.11L
2 188/181R
2 188/185
2 188/18A
2 188/218R
2 188/218XL
2 188/264AA
2 188/70R
2 188/71.9
2 188/72.4
2 188/73.1

2 188/73.37
2 188/73.38
2 188/73.45
2 192/48.3
2 242/433.3
2 254/350
2 254/903
2 303/122
2 310/115
2 310/254
2 310/67R
2 310/76
2 310/93
2 318/138
2 318/269
2 318/362
2 318/369
2 318/432
2 318/439
2 318/539
2 356/450
2 415/129
2 416/132B
2 416/160
2 464/46
2 700/279
2 701/70

10771459_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10771459 on May 10, 2004

8 188/162 (1 OR, 7 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/158 .Electric
188/161 ..Electromagnet
188/162 ...Rotary motor

8 303/20 (3 OR, 5 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/20 ELECTRIC CONTROL

6 73/462 (5 OR, 1 XR)
Class 073 : MEASURING AND TESTING
73/66 ROTOR UNBALANCE
73/460 .Dynamic (spinning)
73/462 ..With electrical sensor and indicator

6 318/254 (4 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/254 SELF-COMMUTATED IMPULSE OR RELUCTANCE MOTORS

5 188/158 (1 OR, 4 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/158 .Electric

5 303/115.2 (4 OR, 1 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/113.1 .Having a valve system responsive to a wheel
lock signal
303/115.1 ..System controlled by expandible chamber type
modulator
303/115.2 ...Having electric control

4 82/112 (3 OR, 1 XR)
Class 082 : TURNING
82/112 PORTABLE LATHE FOR BRAKE DRUM, DISC, OR SHOE

4 180/65.8 (0 OR, 4 XR)
Class 180 : MOTOR VEHICLES
180/54.1 POWER
180/65.1 .Electric
180/65.8 ..With electronic devices (logic gates,
semi-conductors, vacuum tubes, etc.) in control circuit

4 188/72.8 (1 OR, 3 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element
188/72.7 ...By inclined surface (e.g., wedge, cam or
screw)
188/72.8Screw or helical cam

4 303/162 (0 OR, 4 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/121 SPEED-CONTROLLED
 303/162 .Current control of linear piston drive motor

4 303/3 (1 OR, 3 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/2 MULTIPLE SYSTEMS
 303/3 .Fluid pressure and electric

3 180/165 (0 OR, 3 XR)
 Class 180 : MOTOR VEHICLES
 180/165 WITH FLUID OR MECHANICAL MEANS TO ACCUMULATE
 ENERGY (I) DERIVED FROM MOTION OF VEHICLE OR (II) OBTAINED
 D FROM OPERATION OF VEHICLE MOTOR, AND GIVE UP THE ENERGY (I)
 1) WHEN NEEDED FOR VEHICLE ACCELERATION OR (2) TO POWER AN
 AUXILIARY SYSTEM OF THE VEHICLE

3 180/65.4 (0 OR, 3 XR)
 Class 180 : MOTOR VEHICLES
 180/54.1 POWER
 180/65.1 .Electric
 180/65.3 ..With means on vehicle for generating power
 for the electric motor
 180/65.4 ...Generating means is driven by a prime mover

3 188/156 (2 OR, 1 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/156 .Electric and mechanical

3 188/181T (1 OR, 2 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/174 .Weight
 188/180 ..Regulators
 188/181R ...Vehicle
 188/181TTorque-responsive

3 188/72.1 (1 OR, 2 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing
 therefor
 188/72.1 ..With means for actuating brake element

3 188/72.3 (0 OR, 3 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing
 therefor
 188/72.1 ..With means for actuating brake element
 188/72.3 ...And means for retracting brake element

10771459_CLSTITLES

3 188/72.7 (2 OR, 1 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element
188/72.7 ...By inclined surface (e.g., wedge, cam or
screw)

3 192/18R (1 OR, 2 XR)
Class 192 : CLUTCHES AND POWER-STOP CONTROL
192/12R CLUTCH AND BRAKE
192/18R .Sliding operation

3 254/362 (1 OR, 2 XR)
Class 254 : IMPLEMENTS OR APPARATUS FOR APPLYING PUSHING
OR PULLING FORCE
254/264 APPARATUS FOR HAULING OR HOISTING LOAD,
INCLUDING DRIVEN DEVICE WHICH CONTACTS AND PULLS ON CAB
LE

254/266 .Device includes rotatably driven, cable
contacting drum
254/362 ..Drive includes electric motor

3 303/112 (1 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/112 .Torque sensing

3 303/152 (2 OR, 1 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/152 .Regenerative brakes

3 310/77 (1 OR, 2 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/66 ..With other elements
310/75R ...Drive mechanism
310/77Brake

3 318/139 (3 OR, 0 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/139 BATTERY-FED MOTOR SYSTEMS

3 318/375 (0 OR, 3 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/362 BRAKING
318/375 .Dynamic braking

3 416/11 (1 OR, 2 XR)
Class 416 : FLUID REACTION SURFACES
416/9 WITH MEANS POSITIONING FLUID CURRENT DRIVEN
IMPELLER RELATIVE TO FLOW DIRECTION
416/10 .Offset relative to flow direction
416/11 ..Upstream pivotal mounting

10771459_CLSTITLES

3 416/140 (1 OR, 2 XR)
Class 416 : FLUID REACTION SURFACES
416/131 ARTICULATED, RESILIENTLY MOUNTED OR
SELF-SHIFTING IMPELLER OR WORKING MEMBER
416/140 . Including movement limit stop or damping means

2 29/596 (0 OR, 2 XR)
Class 029 : METAL WORKING
29/592 METHOD OF MECHANICAL MANUFACTURE
29/592.1 .Electrical device making
29/596 ..Dynamoelectric machine

2 49/199 (0 OR, 2 XR)
Class 049 : MOVABLE OR REMOVABLE CLOSURES
49/197 UP-AND-OVER TYPE; E.G., MOVES FROM VERTICAL TO
WITHDRAWN HORIZONTAL OVERHEAD POSITION
49/199 .With operator

2 49/362 (2 OR, 0 XR)
Class 049 : MOVABLE OR REMOVABLE CLOSURES
49/324 WITH OPERATOR FOR MOVABLY MOUNTED CLOSURE
49/360 .Operator drives closure along guide
49/362 ..Rack or screw parallel to closure guide

2 56/11.3 (1 OR, 1 XR)
Class 056 : HARVESTERS
56/10.1 MOTORIZED HARVESTER
56/10.8 .With selective control of drive means
56/11.3 ..By brake and disengageable drive (e.g.,
clutch)

2 82/151 (0 OR, 2 XR)
Class 082 : TURNING
82/117 LATHE
82/150 .Center
82/151 ..Alignment adjuster

2 180/65.2 (1 OR, 1 XR)
Class 180 : MOTOR VEHICLES
180/54.1 POWER
180/65.1 .Electric
180/65.2 ..Combined with nonelectric drive means

2 180/65.7 (0 OR, 2 XR)
Class 180 : MOTOR VEHICLES
180/54.1 POWER
180/65.1 .Electric
180/65.6 ..With gearing between electric motor and drive
wheel
180/65.7 ...Gearing is a changeable ratio gearing

2 187/254 (0 OR, 2 XR)
Class 187 : ELEVATOR, INDUSTRIAL LIFT TRUCK, OR
STATIONARY LIFT FOR VEHICLE
187/250 HAVING SPECIFIC LOAD SUPPORT DRIVE-MEANS OR ITS
CONTROL
187/251 .Includes linking support cable (e.g., rope,
chain) in drive-means

10771459_CLSTITLES

187/254 ..And rotatably driven drum pulling thereon

2 188/1.11E (0 OR, 2 XR)
Class 188 : BRAKES
188/1.11R WITH CONDITION INDICATOR
188/1.11E .Electrical

2 188/1.11L (0 OR, 2 XR)
Class 188 : BRAKES
188/1.11R WITH CONDITION INDICATOR
188/1.11W .Wear
188/1.11L ..Electrical

2 188/181R (0 OR, 2 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/174 .Weight
188/180 ..Regulators
188/181R ...Vehicle

2 188/185 (0 OR, 2 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/174 .Weight
188/180 ..Regulators
188/184 ...Transversely expanding
188/185Radial

2 188/18A (1 OR, 1 XR)
Class 188 : BRAKES
188/2R VEHICLE
188/17 .Hub or disk
188/18R ..Motor vehicle
188/18A ...Disc brakes

2 188/218R (1 OR, 1 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/218R .Brake wheels

2 188/218XL (1 OR, 1 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/218R .Brake wheels
188/218XL ..Disk type

2 188/264AA (0 OR, 2 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/264R .Cooling and lubricating
188/264A ..Air-cooled, axially engaging
188/264AA ...Auto wheel type

2 188/70R (1 OR, 1 XR)
Class 188 : BRAKES
188/67 ROD
188/70R .Axially and transversely movable

2 188/71.9 (0 OR, 2 XR)

10771459_CLSTITLES

Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/71.7 ..With means to adjust for wear of brake
188/71.8 ...Self-adjusting means
188/71.9Including unidirectionally rotating screw

2 188/72.4 (0 OR, 2 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element
188/72.4 ...By fluid pressure piston

2 188/73.1 (1 OR, 1 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/73.1 ..Structure of brake element

2 188/73.37 (1 OR, 1 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/73.31 ..Retainer for brake element
188/73.37 ...Having means to prevent vibration of brake
element

2 188/73.38 (2 OR, 0 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/73.31 ..Retainer for brake element
188/73.37 ...Having means to prevent vibration of brake
element
188/73.38Spring

2 188/73.45 (0 OR, 2 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/73.31 ..Retainer for brake element
188/73.43 ...Including actuator slidable in plane
parallel to axis of rotation of wheel
188/73.44On axially extending pin
188/73.45Plural pins

2 192/48.3 (0 OR, 2 XR)
Class 192 : CLUTCHES AND POWER-STOP CONTROL
192/30R CLUTCHES
192/48.1 .Plural clutch-assemblage
192/48.3 ..Diverse clutch-assemblages

10771459_CLSTITLES

2 242/433.3 (2 OR, 0 XR)
Class 242 : WINDING, TENSIONING, OR GUIDING
242/430 COMPOSITE ARTICLE WINDING
242/433 .On externally toothed core (e.g., motor
armature)
242/433.3 ..By orbiting guide

2 254/350 (2 OR, 0 XR)
Class 254 : IMPLEMENTS OR APPARATUS FOR APPLYING PUSHING
OR PULLING FORCE
254/264 APPARATUS FOR HAULING OR HOISTING LOAD,
INCLUDING DRIVEN DEVICE WHICH CONTACTS AND PULLS ON CABLE

254/266 .Device includes rotatably driven, cable
contacting drum
254/342 ..Drive includes intermeshing gears
254/346 ...Drive also includes clutch mechanism having
coaxial, rotatable relatively shiftable axially, power
transmitting components
254/350Components having frictional contact
surface

2 254/903 (0 OR, 2 XR)
Class 254 : IMPLEMENTS OR APPARATUS FOR APPLYING PUSHING
OR PULLING FORCE
254/903 YIELDABLE, CONSTANT ENGAGEMENT, FRICTION
COUPLING (E.G., SLIP CLUTCH) IN DRIVE FOR CABLE PULLING
DRUM

2 303/122 (1 OR, 1 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/122 .With failure responsive means

2 310/115 (0 OR, 2 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/114 ..Plural rotary elements
310/115 ...Field and armature both rotate

2 310/254 (0 OR, 2 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/254 ..Stator structure

2 310/67R (2 OR, 0 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/66 ..With other elements
310/67R ...Inbuilt or incorporated unit

2 310/76 (1 OR, 1 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC

10771459_CLSTITLES

310/40R .Rotary
310/66 ..With other elements
310/75R ...Drive mechanism
310/76Brake and clutch

2 310/93 (1 OR, 1 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/92 ..Torque-transmitting clutches or brakes
310/93 ...Brake type

2 318/138 (0 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/138 SPACE-DISCHARGE-DEVICE COMMUTATED MOTOR

2 318/269 (2 OR, 0 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/255 PLURAL DIVERSE MOTOR CONTROLS
318/268 .Running-speed control
318/269 ..With braking

2 318/362 (0 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/362 BRAKING

2 318/369 (0 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/362 BRAKING
318/364 .Automatic and/or with time-delay means
318/366 ..Condition of motor or driven device
318/369 ...Speed, acceleration, movement or position of motor or driven device

2 318/432 (1 OR, 1 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/432 CONSTANT MOTOR CURRENT, LOAD AND/OR TORQUE CONTROL

2 318/439 (0 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/439 MOTOR COMMUTATION CONTROL SYSTEMS

2 318/539 (0 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/538 MOTOR STRUCTURE ADJUSTMENT OR CONTROL
318/539 .Both armature and field structures rotatable or adjustable

2 356/450 (2 OR, 0 XR)
Class 356 : OPTICS: MEASURING AND TESTING
356/450 BY LIGHT INTERFERENCE (E.G., INTERFEROMETER)

2 415/129 (2 OR, 0 XR)
Class 415 : ROTARY KINETIC FLUID MOTORS OR PUMPS
415/129 RUNNER OR BLADE SELECTIVELY ADJUSTABLE RELATIVE TO CASING

2 416/132B (1 OR, 1 XR)

10771459_CLSTITLES

Class 416 : FLUID REACTION SURFACES
416/131 ARTICULATED, RESILIENTLY MOUNTED OR
SELF-SHIFTING IMPELLER OR WORKING MEMBER
416/132R .Sectional, staged or nonrigid working member
416/132B ..Windmills

2 416/160 (0 OR, 2 XR)
Class 416 : FLUID REACTION SURFACES
416/147 HAVING POSITIVE MEANS FOR IMPELLER ADJUSTMENT
416/159 .Power or manual actuator on non-rotatable part
416/160 ..Planetary gearing connecting rotatable and
non-rotatable parts

2 464/46 (0 OR, 2 XR)
Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND
FLEXIBLE COUPLINGS FOR ROTARY SHAFTS
464/30 OVERLOAD RELEASE COUPLING
464/45 .Torque transmitted via frictional engagement
of planar radially extending surfaces
464/46 ..With separate resilient member for biasing
surfaces into engagement

2 700/279 (0 OR, 2 XR)
Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
SPECIFIC APPLICATIONS
700/90 SPECIFIC APPLICATION, APPARATUS OR PROCESS
700/275 .Mechanical control system
700/279 ..Balancing or alignment

2 701/70 (1 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/70 .Indication or control of braking,
acceleration, or deceleration